

REMARKS

In this Amendment, Applicant has Claims 13 and 29. Claims 13 and 29 have been amended to overcome the rejection and further specify the embodiments of the present invention. It is respectfully submitted that no new matter has been introduced by the amended claims. All claims are now present for examination and favorable reconsideration is respectfully requested in view of the preceding amendments and the following comments.

REJECTIONS UNDER 35 U.S.C. § 103:

Claims 10 – 20 and 28 – 33 have been rejected under 35 U.S.C. § 103, as allegedly being obvious and unpatentable over Ishida et al. (US Patent 6,069,609), hereinafter Ishida.

Applicant traverses the rejection. It is respectfully submitted that in view of the presently claimed invention, the rejection has been overcome. In particular, the disclosure in Ishida, “the human eye senses flicker when it occurs at low brightness levels”(column 19, lines 7 to 9), does not mean that flicker occurs at low brightness levels rather than high brightness levels, but means that flicker is noticeable at low brightness levels. It is evident from the disclosure of Ishida that flicker occurs at specific levels, such as at the levels 3, 7, 19 and 23, over the 28-shade gray scale of FIG. 18. According to Ishida, weighting is applied at specific levels over the 28 shade gray scale, not “the lower the gradation level, the larger the weighting” (FIG. 19). Ishida discloses that flicker occurs at specific gray-scale levels and hence dithering is applied at these specific gray-scale levels, not only in low but also in high ranges to avoid flicker.

Claim 10 of the present invention requires that “weighting being applied to each dither coefficient, the lower the gradation level, the larger the weighting.” Claim 28 of the present invention requires that “ adding the coefficient signal to the input signal at

gradation levels equal to or lower than a predetermined level,” at which gradation is otherwise degraded due to reverse-gamma correction, as disclosed in the specification (page 40, lines 26 to 33). It is respectfully submitted that Ishida does not disclose nor teach any of these features in Claims 10 and 28.

In addition, the amendments in Claims 13 and 29 further specify the relationship between the selector and the adjuster. According to FIG. 17, the dither coefficients selected by the selector 33 and carried by the output pattern signal, as shown in FIGS. 21 and 22, are adjusted by the adjuster 34 so that the sum total of the dither coefficients carried by the output pattern signal is zero, as shown in FIG. 23.

Ishida discloses that the dither pattern generator that generates dither coefficients having the sum total of which may be zero (FIG. 15). However, Ishida does not disclose nor teach a selector to select dither coefficients generated by the dither pattern generator and an adjuster to adjust the selected dither coefficients so that the sum total of the dither coefficients is zero, as required in the presently amended Claims 13 and 29 as well as their dependent claims (page 33, lines 28 to 34).

Therefore, nowhere in prior art has suggestion or incentive to modify Ishida to achieve the invention as currently claimed. One of ordinary skilled in the art would not discern the present invention at the time of its invention. Accordingly, withdrawal of the rejection under 35 U.S.C. § 103 is respectfully requested.

ACKNOWLEDGEMENT OF FILED INFORMATION DISCLOSURE STATEMENT:

Examiner failed to indicate that Information Disclosure Statements (IDS) have been received. Applicant submitted Information Disclosure Statements on February 9, 2000, July 12, 2000 and October 12, 2000, respectively. Submitted herewith are copies of IDS transmittals documents and the related date stamped postcards for Examiner's reference.

ACKNOWLEDGEMENT OF CLAIM FOR FOREIGN PRIORITY:

Examiner failed to indicate that all certified copies of priority documents have been received. Applicant respectfully submits that all certified copies of priority documents have been submitted on October 12, 1999. Examiner did acknowledge the receipt of the submitted priority documents in the Office Action dated January 28, 2003. Submitted herewith are copies of the front page of each priority document and a copy of the date stamped postcard filed therewith.

REQUEST FOR INTERVIEW

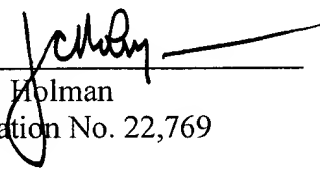
Applicant respectfully requests either a telephonic or an in-person interview should the applicant as presently amended not be in condition for allowance.

Having overcome all outstanding grounds of rejection, the application is now in condition for allowance, and prompt action toward that end is respectfully solicited.

Respectfully submitted,

JACOBSON HOLMAN PLLC

Date: March 26, 2004
(202) 638-6666
400 Seventh Street, N.W.
Washington, D.C. 20004
Atty. Dkt. No.: P63935US0

By 
John C. Holman
Registration No. 22,769

Enclosures:

Copies of IDS and stamped postcards
Copies of priority documents cover and stamped postcard



RECEIVED

MAR 31 2004

Technology Center 2600

Att'y Docket: P63935US0
Serial No.: New Application
Applicant: Shigehiro MASUJI et al
Filing Date: October 12, 1999

Today's Date: October 12, 1999

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- ☒ 49 pp. Specification, including 33 Claims and Abstract
- ☒ 24 Sheets of Drawings
- ☒ Combined Declaration, Power of Attorney
- ☒ Certified Copies of the four (4) Priority Documents

☒ Check for \$ 1306.00 Check No. 44489

DUE DATE: October 12, 1999



JACOBSON, PRICE, HOLMAN & STERN, PLLC
400 SEVENTH STREET, NW
WASHINGTON, DC 20004

jrc

日 本 国 特 許 庁

PATENT OFFICE
JAPANESE GOVERNMENT

別紙添付の書類に記載されている事項は下記の出願書類に記載されている事項と同一であることを証明する。

This is to certify that the annexed is a true copy of the following application as filed in this Office.

出 願 年 月 日
Date of Application:

1998年10月12日

願 番 号
Application Number:

平成10年特許願第289143号

願 人
Applicant(s):

日本ビクター株式会社

1999年 8月12日

特許庁長官
Commissioner,
Patent Office

伴佐山 建志

出証番号 出証特平11-3056818

日 本 国 特 許 庁
PATENT OFFICE
JAPANESE GOVERNMENT

別紙添付の書類に記載されている事項は下記の出願書類に記載されて
る事項と同一であることを証明する。

This is to certify that the annexed is a true copy of the following application as filed
in this Office.

出願年月日
Date of Application:

1998年11月 6日

願 番 号
Application Number:

平成10年特許願第315743号

願 人
Applicant(s):

日本ビクター株式会社

1999年 8月12日

特許庁長官
Commissioner,
Patent Office

伴佐山 建志



出証番号 出証特平11-3056819

日 本 国 特 許 庁
PATENT OFFICE
JAPANESE GOVERNMENT

別紙添付の書類に記載されている事項は下記の出願書類に記載されて
る事項と同一であることを証明する。

This is to certify that the annexed is a true copy of the following application as filed
in this Office.

出 願 年 月 日
Date of Application: 1998年11月11日

願 番 号
Application Number: 平成10年特許願第320283号

願 人
Applicant(s): 日本ビクター株式会社

1999年 8月12日

特 許 庁 長 官
Commissioner,
Patent Office

伴 佐 山 建 志

出証番号 出証特平11-305682.1

日 本 国 特 許 庁

PATENT OFFICE
JAPANESE GOVERNMENT

別紙添付の書類に記載されている事項は下記の出願書類に記載されている事項と同一であることを証明する。

This is to certify that the annexed is a true copy of the following application as filed with this Office.

出 願 年 月 日

Date of Application:

1998年11月26日

願 番 号

Application Number:

平成10年特許願第335478号

願 人

Applicant(s):

日本ビクター株式会社

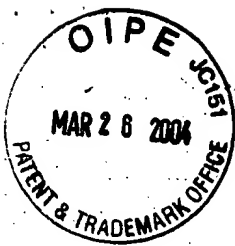
1999年 8月12日

特許庁長官
Commissioner,
Patent Office

伴佐山 建志



出証番号 出証特平11-3056822



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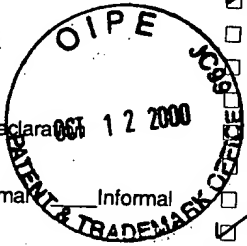
MAR 31 2004

Technology Center 2600

JPH&S Ref P63935USO Today's Date 10/12/00
Serial/Patent No. 09/417016
Applicant, Patentee, Assignee Shigehiro MASUJI et al
Filing Date/Patent Date October 12, 1999

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- | | |
|---|--|
| <input type="checkbox"/> _____ pp. Specification & _____ Claims | <input type="checkbox"/> Response to Office Action |
| <input type="checkbox"/> Combined Declaration, Power of Attorney | <input checked="" type="checkbox"/> Disclosure Statement-IDS <i>w/verif.</i> |
| <input type="checkbox"/> Preliminary Amendment | <input checked="" type="checkbox"/> Copies of References (3) |
| <input type="checkbox"/> Rule 53 (b) Application | <input type="checkbox"/> Request for Refund |
| <input type="checkbox"/> Rule 53 (d)/RCE Application | <input type="checkbox"/> Request for Corrected Filing Receipt |
| <input type="checkbox"/> Claim to Priority and Certified Copy | <input type="checkbox"/> Petition for XOT |
| <input type="checkbox"/> Substitute <input type="checkbox"/> Subsequent Declaration | <input type="checkbox"/> Notice of Appeal/Brief |
| <input type="checkbox"/> Maintenance Fee | <input type="checkbox"/> Sequence Listing |
| <input type="checkbox"/> Drawings: _____ Sheets _____ Formal _____ Informal | <input type="checkbox"/> Issue Fee Transmittal |
| <input type="checkbox"/> Assignment/Change of Name | <input checked="" type="checkbox"/> Other <i>Copy European Search Report</i> |
| <input type="checkbox"/> Small Entity Declaration | |
| <input type="checkbox"/> Check for \$ _____ | |



JPH&S 6/00 DUE DATE N/A
Person filing DLS

JACOBSON, PRICE HOLMAN & STERN, P
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Shigehiro MASUJI et al

Serial No.: 09/417016

Group Art Unit: 2712

Filed: October 12, 1999

For: APPARATUS AND METHOD OF VIDEO SIGNAL
PROCESSING FOR MATRIX DISPLAY APPARATUS

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MAR 31 2004

THIRD INFORMATION DISCLOSURE STATEMENT

Technology Center 2600

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application.

The patents and publications listed on Form PTO-1449 were cited in a European Search Report mailed not more than three months

ago in a counterpart European patent application. A copy of the European Search Report is enclosed.

The documents mentioned in the European Search Report and not attached were filed in a prior IDS on July 12, 2000.

Certification in accordance with 37 CFR §1.97(e) is included herein. Accordingly, it is respectfully submitted that no fee is required by the filing of this Information Disclosure Statement.

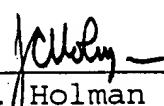
CERTIFICATION

It is hereby certified that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Respectfully submitted,

JACOBSON, PRICE, HOLMAN & STERN, PLLC

By: _____

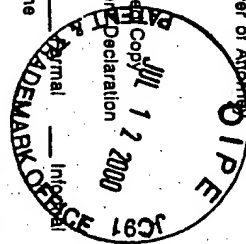

John C. Holman
Registration No. 22,769
400 Seventh Street, N.W.

Washington, DC 20004
(202) 638-6666
Atty. Dkt. No.: P63935US0
Date: October 12, 2000



JPH&S Ref P63935USD Today's Date 7/12/00
Serial/Patent No. 09/417016
Applicant Shigeno MASUJI et al
Filing Date October 12, 1999

- The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:
- ☐ pp. Specification & Claims
 - ☐ Combined Declaration, Power of Attorney
 - ☐ Preliminary Amendment
 - ☐ Rule 53 (b) Application
 - ☐ Rule 53 (d) Application
 - ☐ Claim to Priority and Certification of Copy
 - ☐ Substitute ☐ Subsequent Declaration
 - ☐ Maintenance Fee
 - ☐ Drawings — Sheets — Normal — Infra
 - ☐ Assignment/Change of Name
 - ☐ Small Entity Declaration
 - ☐ Check for \$ _____



JPH&S 12/97 DUE DATE N/A
Person filing DLS

☒ Response to Office Action
☒ Disclosure Statement
☒ Copies of References (4)
☐ Request for Refund
☐ Request for Corrected Filing Receipt
☐ Petition for XOT
☐ Notice of Appeal
☐ Brief
☐ Issue Fee Transmittal
☒ Other Copy European Search Report

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MAR 31 2004

Technology Center 2600



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Shigehiro MASUJI et al

Serial No.: 09/417016

Group Art Unit: 2712

Filed: October 12, 1999

For: APPARATUS AND METHOD OF VIDEO
SIGNAL PROCESSING FOR MATRIX
DISPLAY APPARATUS

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Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application.

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ago in a counterpart European patent application. A copy of the European Search Report is enclosed.

Certification in accordance with 37 CFR §1.97(e) is included herein. Accordingly, it is respectfully submitted that no fee is required by the filing of this Information Disclosure Statement.

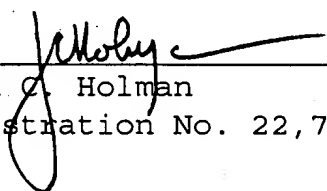
CERTIFICATION

It is hereby certified that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Respectfully submitted,

JACOBSON, PRICE, HOLMAN & STERN, PLLC

By:


John C. Holman
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400 Seventh Street, N.W.
Washington, DC 20004
(202) 638-6666
Atty. Dkt. No.: P63935US0
Date: July 12, 2000



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Technology Center 2600

&S Ref D63935USO

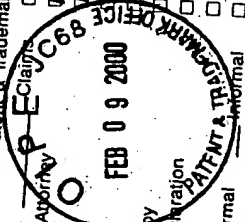
Today's Date 2/9/00

Serial/Patent No. 09/417,016

Applicant Shigehiro MASUJI et al

Filing Date October 12, 1999

- The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:
- ☐ ☐ pp. Specification & ☐ Response to Office Action
 - ☐ Combined Declaration, Power of Attorney
 - ☐ Preliminary Amendment
 - ☐ Rule 53 (b) Application
 - ☐ Rule 53 (d) Application
 - ☐ Claim to Priority and Certified Copy
 - ☐ Substitute ☐ Subsequent Declaration
 - ☐ Maintenance Fee
 - ☐ Drawings — Sheets — Formal
 - ☐ Assignment/Change of Name
 - ☐ Small Entity Declaration
 - ☐ Check for \$
- ☐ Disclosure Statement
- ☐ Copies of References (1)
- ☐ Request for Refund
- ☐ Request for Corrected Filing Receipt
- ☐ Petition for XOT
- ☐ Notice of Appeal
- ☐ Brief
- ☐ Issue Fee Transmittal
- ☒ Other Abstract



JPH&S 12/97

JACOBSON, PRICE, HOLMAN & STERN, PLLC
400 SEVENTH STREET, N.W.
WASHINGTON, DC 20004

DUE DATE 2/12/00

DLS

Person filing



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Shigehiro MASUJI et al

Serial No.: 09/417,016

Group Art Unit: 2712

Filed: October 12, 1999

For: APPARATUS AND METHOD OF
VIDEO SIGNAL PROCESSING FOR
MATRIX DISPLAY APPARATUS

RECEIVED

MAR 31 2004

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

A complete English translation of Document AL is not readily available; however, an English abstract is attached.

In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application.

Respectfully submitted,

JACOBSON, PRICE, HOLMAN & STERN, PLLC

By: _____


John C. Holman
Registration No. 22,769

400 Seventh Street, N.W.
Washington, DC 20004
(202) 638-6666
Atty. Dkt. No.: 5970/P63935US0
Date: February 9, 2000



2674

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Shigehiro MASUJI et al Attorney Docket: P63935US0
Serial No.: 09/417,016 Group Art Unit: 2674
Filing Date: October 12, 1999 Examiner: Francis N. NGUYEN
For: APPARATUS AND METHOD OF VIDEO SIGNAL PROCESSING FOR
MATRIX DISPLAY APPARATUS

TRANSMITTAL

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MAR 31 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Technology Center 2600

Sir:

Transmitted herewith is an Amendment and Response to the non-final office action under 37 C.F.R. 1.111 in the above captioned application.

____ Small Entity status of this application under 37 C.F.R. 1.9 and 1.27 has been established by a verified statement previously submitted.

____ A verified Statement to establish small entity status under 37 C.F.R. 1.9 and 1.27 is enclosed.

____ No additional fee is required.

The fee has been calculated as shown below:

Claims	Highest	Present	Small Entity	Other Than A
Remaining	Number	Extra		Small Entity
After	Previously		Rate Addit. (or)	Rate Addit.
Amendment	Paid For	Fee		Fee
Total 17 - 33 = 0		x09 = \$18		x 18 = \$
Indep. 5 - 7 = 0		x43 = \$43		x 86 = \$
First Presentation of				
Multiple Dependent Claim		x140 = \$		+280 = \$
Total Additional Fee		\$		\$

____ Credit Card Payment Form in the amount of \$__ is attached for Two-month Extension Fee.

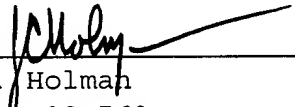
XX

If a Petition for Extension of Time is necessary and the Petition and/or the check is not enclosed, this will act as the Petition and applicant herewith petitions the Commissioner to extend the time for response and charge any fees necessary under 37 CFR 1.17 (a)(1)-(5) to Deposit Account No. 06-1358. The Commissioner is also authorized to charge payment of any other additional fees associated with this communication or credit any overpayment to Deposit Account No. 06-1358. A duplicate copy of this sheet is attached.

JACOBSON HOLMAN, PLLC

Dated: March 26, 2004
400 Seventh Street, N. W.
Washington, D.C. 20004-2201
JCH/JC

By: _____


John C. Holman
Reg. No. 22,769